

WE CLAIM:

1. An oligomer comprising:
  - (a) a polyol portion comprising a polyol modified with a fatty acid, and
  - (b) a free radical curable portion,wherein the oligomer is substantially free of any ester linkages formed from the reaction of the polyol portion with a compound having more than one functional group.
2. The oligomer of claim 1, wherein the polyol has 2 to 6 hydroxyl functional groups per molecule prior to modification with the fatty acid.
3. The oligomer of claim 2, wherein the polyol has 3 hydroxyl functional groups per molecule prior to modification with the fatty acid.
4. The oligomer of claim 2, wherein the polyol has 4 hydroxyl functional groups per molecule prior to modification with the fatty acid.
5. The oligomer of claim 1, wherein the fatty acid comprises a fatty acid moiety derived from one or more drying oils; semi-drying oils; nondrying oils; or mixtures thereof.
6. The oligomer of claim 5, wherein the fatty acid moiety is derived predominantly from drying oils, semi-drying oils, or mixtures thereof.
7. The oligomer of claim 5, wherein the fatty acid moiety is derived predominantly from nondrying oils.
8. The oligomer of claim 6, wherein the drying oil is linseed oil.
9. The oligomer of claim 6, wherein the semi-drying oil is soya.

10. The oligomer of claim 7, wherein the nondrying oil is coconut oil.
11. The oligomer of claim 1, wherein the free radical curable portion contains polymerizable ethylenically unsaturated groups.
12. The oligomer of claim 11, wherein the polymerizable ethylenically unsaturated groups are acrylate groups, vinyl ether groups or are derived from a compound containing an electron rich carbon-carbon double bond.
13. The oligomer of claim 11, wherein the free radical curable portion comprises a compound selected from the group consisting of isocyanatoalkyl (meth)acrylates, isocyanatoalkyl crotonates, and isocyanate-functional monoalkenyl aromatic monomers.
14. The oligomer of claim 11, wherein the free radical curable portion comprises the reaction product of an isocyanate with an ethylenically unsaturated moiety.
15. The oligomer of claim 14, wherein the reaction product of an isocyanate with an ethylenically unsaturated moiety has a monoisocyanate functionality of at least about 70 percent.
16. A composition comprising the oligomer of claim 1.
17. The composition of claim 16, wherein the polyol has 2 to 6 hydroxyl functional groups per molecule prior to modification with the fatty acid.
18. The composition of claim 17, wherein the polyol has 3 hydroxyl functional groups per molecule prior to modification with the fatty acid.
19. The composition of claim 17, wherein the polyol has 4 hydroxyl functional groups per molecule prior to modification with the fatty acid.

20. The composition of claim 16, wherein the fatty acid comprises a fatty acid moiety derived from one or more drying oils; semi-drying oils; nondrying oils; or mixtures thereof.
21. The composition of claim 20, wherein the fatty acid moiety is derived predominantly from drying oils, semi-drying oils, or mixtures thereof.
22. The composition of claim 20, wherein the fatty acid moiety is derived predominantly from nondrying oils.
23. The composition of claim 21, wherein the drying oil is linseed oil.
24. The composition of claim 21, wherein the semi-drying oil is soya.
25. The composition of claim 22, wherein the nondrying oil is coconut oil.
26. The composition of claim 16, wherein the free radical curable portion contains polymerizable ethylenically unsaturated groups.
27. The composition of claim 26, wherein the polymerizable ethylenically unsaturated groups are acrylate groups, vinyl ether groups or are derived from a compound containing an electron rich carbon-carbon double bond.
28. The composition of claim 26, wherein the free radical curable portion comprises a compound selected from the group consisting of isocyanatoalkyl (meth)acrylates, isocyanatoalkyl crotonates, and isocyanate-functional monoalkenyl aromatic monomers.
29. The composition of claim 26, wherein the free radical curable portion comprises the reaction product of an isocyanate with an ethylenically unsaturated moiety.

30. The composition of claim 29, wherein the reaction product of an isocyanate with an ethylenically unsaturated moiety has a monoisocyanate functionality of at least about 70%.
31. The composition of claim 29, further comprising a non-isocyanate functional compound and a poly-isocyanate functional compounds.
32. The composition of claim 31, wherein the composition has a Mw of 500 to 10,000.
33. The composition of claim 31, wherein the composition has a Mn of 500 to 5000.
34. The composition of claim 31, wherein the composition has a Mw/Mn of 1.0 to 2.0.
35. The composition of claim 34, wherein the composition has a Mw/Mn of 1.1 to 1.5.
36. The composition of claim 16 further comprising an initiator.
37. The composition of claim 36, wherein the initiator is a free radical cure initiator.
38. The composition of claim 36, wherein the initiator is a cationic cure initiator.
39. The composition of claim 36, wherein the oligomer is present in an amount of 20 to 50 weight percent, with weight percent being based on the total weight of the composition.

40. The composition of claim 36, wherein the initiator is present in an amount of 0.1 to 5.0 weight percent, with weight percent being based on the total weight of the composition.
41. The composition of claim 36 further comprising a solvent.
42. The composition of claim 41, wherein the solvent is selected from the group consisting of alkyl acetates, acetone, ketones, monoalcohols, polyalcohols, aromatic hydrocarbons, and mixtures thereof.
43. The composition of claim 41, wherein the solvent is present in an amount of 60 to 80 weight percent, with weight percent being based on the total weight of the composition.
44. The composition of claim 36, wherein the composition is substantially free of solvent.
45. A wooden substrate coated with the composition of claim 36.
46. The substrate of claim 45, wherein the wood is selected from the group consisting of oak and maple.
47. The substrate of claim 45, wherein the substrate is a cabinet or furniture.
48. The composition of claim 36, further comprising one or more compounds that impart nickel scratch resistance to the compound.
49. A method for coating a substrate comprising:
- a) applying the composition of claim 36 to the substrate; and
  - b) initiating cure of the free radical curable portion.

50. The method of claim 49, wherein said method further comprises

c) allowing the composition to oxidatively cure.

51. A method for reducing cycle time in the coating of a substrate comprising wood, comprising applying to the substrate the composition of claim 36 and initiating cure of the free radical curable portion.